ALIENWARE™ M14x R2

Specifications

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Regulatory model: P18G | Type: P18G002
Computer model: M14x R2

Dimensions

Height	37.80 mm (1.49 inches)
Width	337.00 mm (13.28 inches)
Depth	258.36 mm (10.16 inches)
Weight with 8-cell battery and optical drive (starting at)	2.93 kg (6.46 lb) **NOTE:** The weight of your computer may vary depending on the configuration ordered and the manufacturing variability

System information

Computer Model	M14x R2
Processor	Intel Core i5 (2nd and 3rd generation)
	Intel Core i7 (3rd generation)
L1 cache	32 KB
L2 cache	256 KB
L3 Cache	up to 8 MB
System chipset	Mobile Intel HM77 Express chipset

Memory

Connectors	two internally-accessible DDR3 connectors
Capacities	2 GB, 4 GB, and 8 GB
Memory type	up to 1600 MHz, dual-channel DDR3 **NOTE:** For dual-channel configuration, the memory modules must be of the same type and capacity.
Memory configurations supported	4 GB, 6 GB, 8 GB, and 16 GB

Communications

Network adapter	10/100/1000 Mbps integrated network controller
Wireless	▪ one half mini-card slot ▪ one full mini-card slot ▪ WLAN 802.11 a/b/g/n, WiMaX ▪ Bluetooth 4.0

Ports and connectors

Network adapter	one RJ45 port
USB	▪ two USB 3.0 ports ▪ one USB 2.0 port with PowerShare
HDMI port	one 19-pin port
Mini-DisplayPort	one 20-pin port
VGA	one 15-pin port
Audio	▪ one microphone port ▪ one headphones/microphone combo port ▪ one headphone port
Media-card reader	one 9-in-1 slot

Audio

Controller	Creative Sound Blaster Recon3Di High-Definition 5.1 Audio with THX TruStudio Pro Software
Speaker	Klipsch 2.1 powered speaker system (stereo speakers with subwoofer)
Internal microphone support	digital-array microphones in camera assembly
Volume controls	program menus and keyboard media-control keys

Video

Video controller	
Integrated	▪ Intel HD Graphics 3000 ▪ Intel HD Graphics 4000
Discrete	NVIDIA GeForce GT 650M
Video memory	
Discrete	▪ 1 GB GDDR5 ▪ 2 GB GDDR5
External display support	▪ VGA ▪ HDMI 1.4 ▪ Mini-DisplayPort 1.2 ▪ Intel WiDi (optional) ▪ WirelessHD (optional)

Storage

Interface	▪ SATA 2.0 (3 Gb/s) or SATA 3.0 (6 Gb/s) ▪ mSATA
Number of hard drives	two
Drives supported	▪ one 2.5-inch solid-state drive or hard drive ▪ one mSATA solid-state drive ▪ Support for Intel Smart Response Technology
Optical drives	one
Drives supported	▪ DVD+/-RW ▪ Blu-ray reader and DVD+/-RW combo

Media-card reader

Cards supported	▪ Secure Digital (SD) memory card ▪ Secure Digital Input/Output (SDIO) card ▪ Secure Digital Extended Capacity (SDXC) card ▪ MultiMedia Card (MMC) ▪ MultiMedia Card plus (MMC+) ▪ Memory Stick ▪ Memory Stick PRO ▪ xD-Picture Card (type - M and type - H) ▪ Hi Density-SD (SDHD) ▪ Hi Capacity-SD (SDHC)

Touchpad

X/Y position resolution (graphics table mode)	953 cpi
Size	
Height	42.00 mm (1.65 inches)
Width	81.00 mm (3.19 inches)

Backlit keyboard

Number of keys	U.S. – 83 U.K. – 84 Japan – 87
Backlight color	RGB; colors can be changed by invoking the AlienFX software in the Alienware Command Center

Display

Type	▪ 14-inch HD+ (1600 x 900) WLED ▪ 14-inch HD (1366 x 768) WLED with TrueLife
Dimensions:	
Height	205.10 mm (8.08 inches)
Width	320.40 mm (12.61 inches)
Diagonal	355.60 mm (14.00 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 140 degree
Pixel pitch	▪ HD+: 0.2265 x 0.2265 mm ▪ HD: 0.1935mm x 0.1935 mm
Controls	brightness can be controlled through keyboard function keys

Camera

Camera resolution	1.3 megapixel
Video resolution	1280 x 720 at 30 fps (maximum) — HD
Diagonal viewing angle	66 degrees

Power adapter

Type	150 W
Input voltage	100–240 VAC
Input current (maximum)	2.50 A
Input frequency	50 Hz–60 Hz
Output current	7.70 A
Output power	150 W
Rated output voltage	19.50 +/- 1 VDC
Temperature range	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Storage	–40 °C to 70 °C (–40 °F to 158 °F)

Battery

Type	8-cell “smart” lithium ion (63 WHr)
Height	11.20 mm (0.44 inch)
Width	173.00 mm (6.81 inches)
Depth	109.40 mm (4.31 inches)
Weight	0.43 kg (0.95 lb)
Voltage	14.8 VDC
Operating time	battery operating time varies depending on operating conditions and can reduce significantly under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range	
Operating	0 °C to 50 °C (32 °F to 122 °F)
Storage	–20 °C to 60 °C (– 4 °F to 140 °F)
Coin-cell battery	CR-2032

Computer environment

Temperature range	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (–40 °F to 149 °F)
Relative humidity (maximum)	
Operating	10 % to 90 % (non-condensing)
Storage	10 % to 95 % (non-condensing)
Maximum vibration (Measured using a random vibration spectrum that simulates user environment)	
Operating	0.66 GRMS
Storage	1.3 GRMS
Maximum shock (Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage)	
Operating	110 G
Storage	160 G
Altitude (maximum)	
Operating	–15.2 m to 3048 m (–50 ft to 10,000 ft)
Storage	–15.2 m to 10,668 m (–50 ft to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985